ABSTRACT OF THE INVENTION

A multi-component composite extrusion includes various combinations of a hollow, high density profile filled in with a foamed, thermoplastic core. A further low density foamed profile can alternately surround the high density, hollow component. A capstock can be provided on either embodiment of the multi-component extrusion. All of the components are preferably substantially simultaneously extruded in a single multi-plate extrusion die, so that the various components are substantially laterally coextensive with one another and molecularly bonded to the adjacent component. The thin wall, high density component and the adjacent low density foamed thermoplastic component may optionally be provided with substantial wood fiber content to alter the macroscopic properties of the resulting multi-component extrusion. The extrusion has utility in the fenestration, decking, and remodeling industries. The method disclosed for making the extrusion permits the extrusion designer to vary the type of thermoplastic material used with respect to each component and the presence or absence of wood fiber in the components to vary the macroscopic properties of the entire composite extrusion, surface characteristics of the extrusion, and weatherability of the extrusion.